

Halaco Cleanup

March 2015 Update

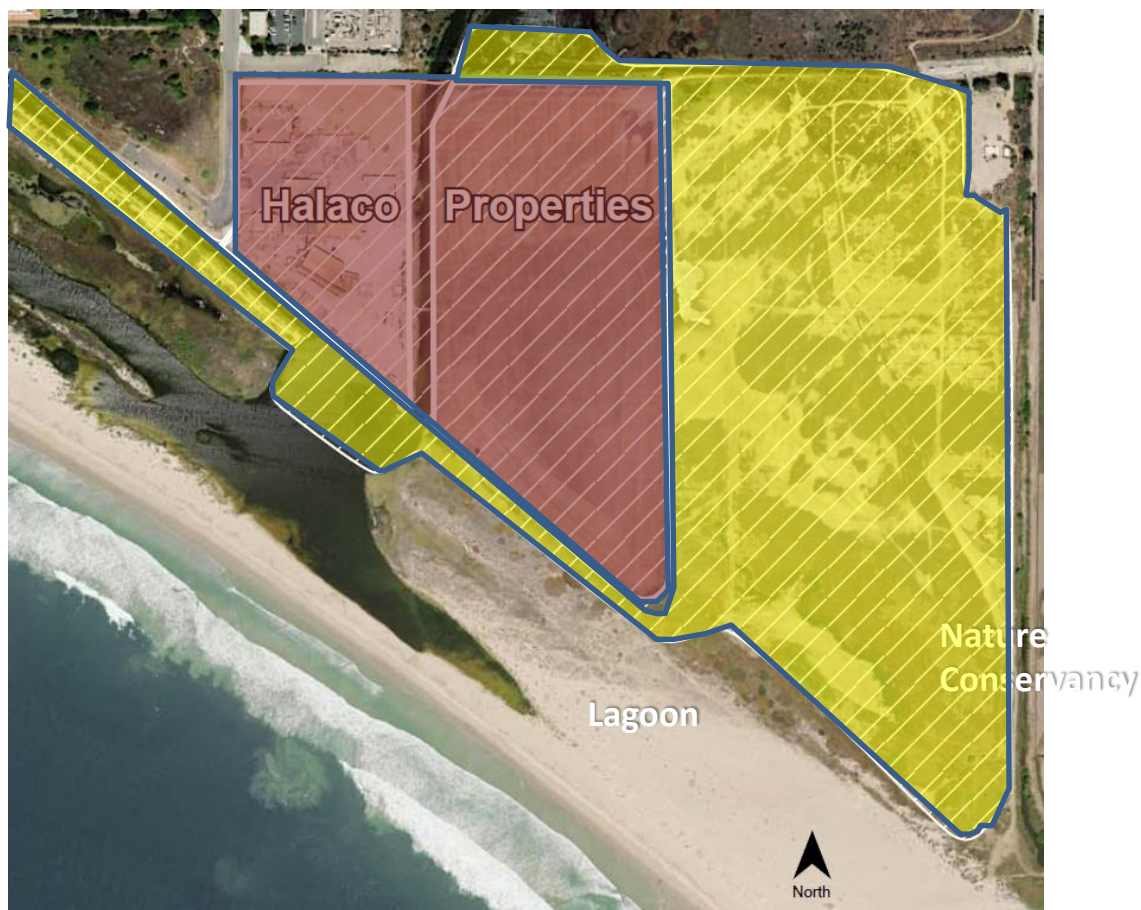


Halaco/Ormond lagoon, circa 1980s

Areas Affected by Halaco's Operations

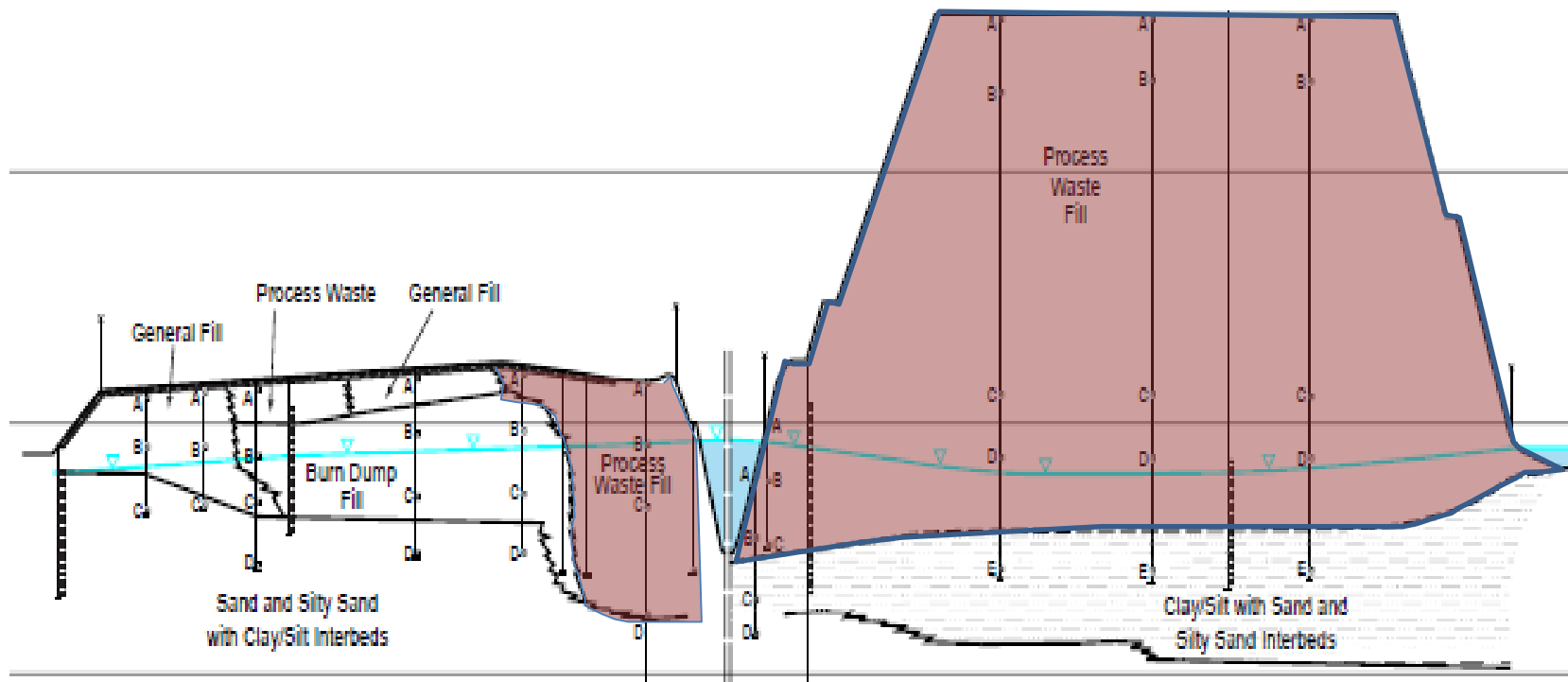


Halaco “Operable Units”



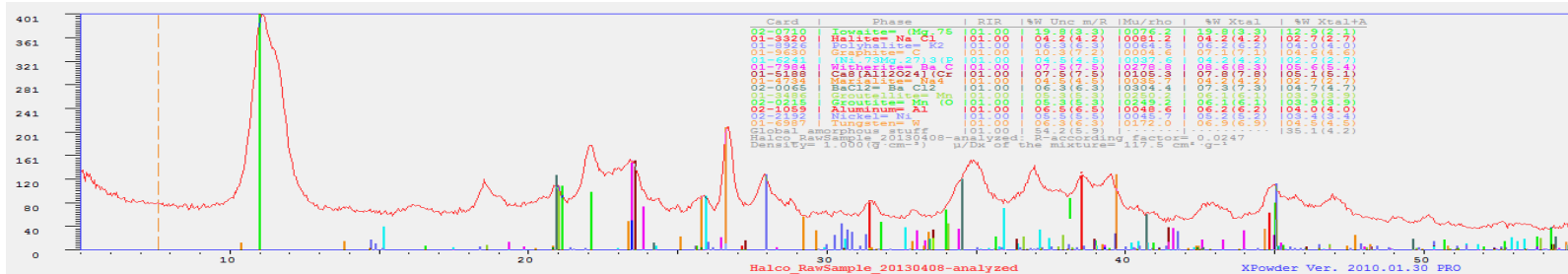
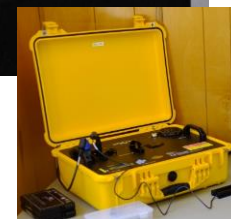
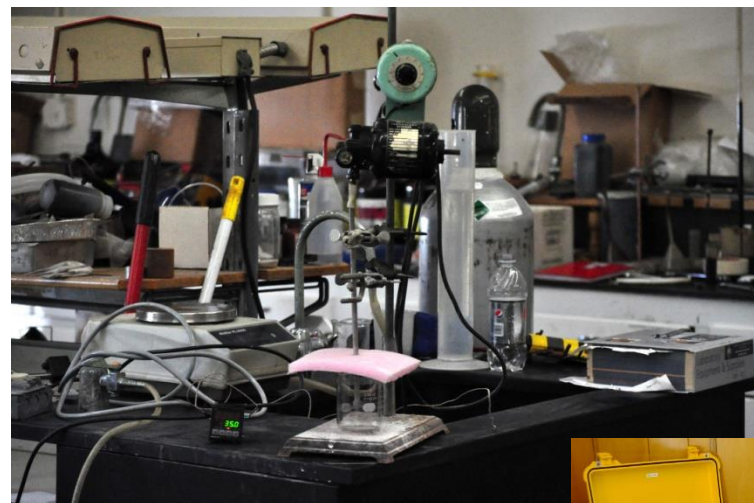
Third operable unit (not shown): contaminated groundwater

Halaco Properties



Halaco Properties – Reuse Option

- Evaluating use of waste in cement manufacture
- Laboratory testing to remove salt
- Unable to find willing out-of-state kiln



Halaco Properties - Feasibility Study



- Obtaining cost estimates from rail line, disposal facilities
- Working with DTSC to identify State requirements
- Refining risk assessment
- Conducting detailed evaluation of cleanup options



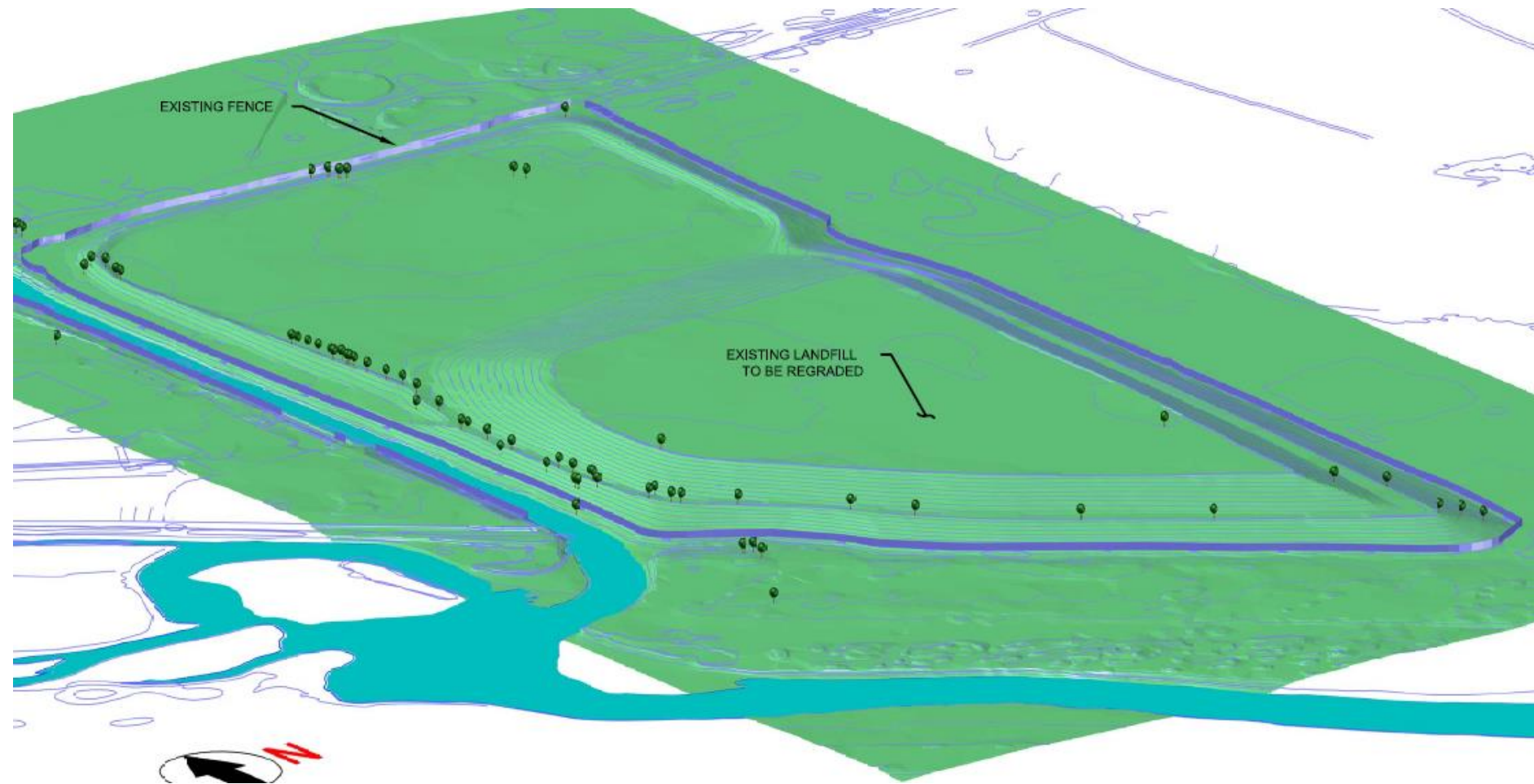
Superfund Cleanup Decisions



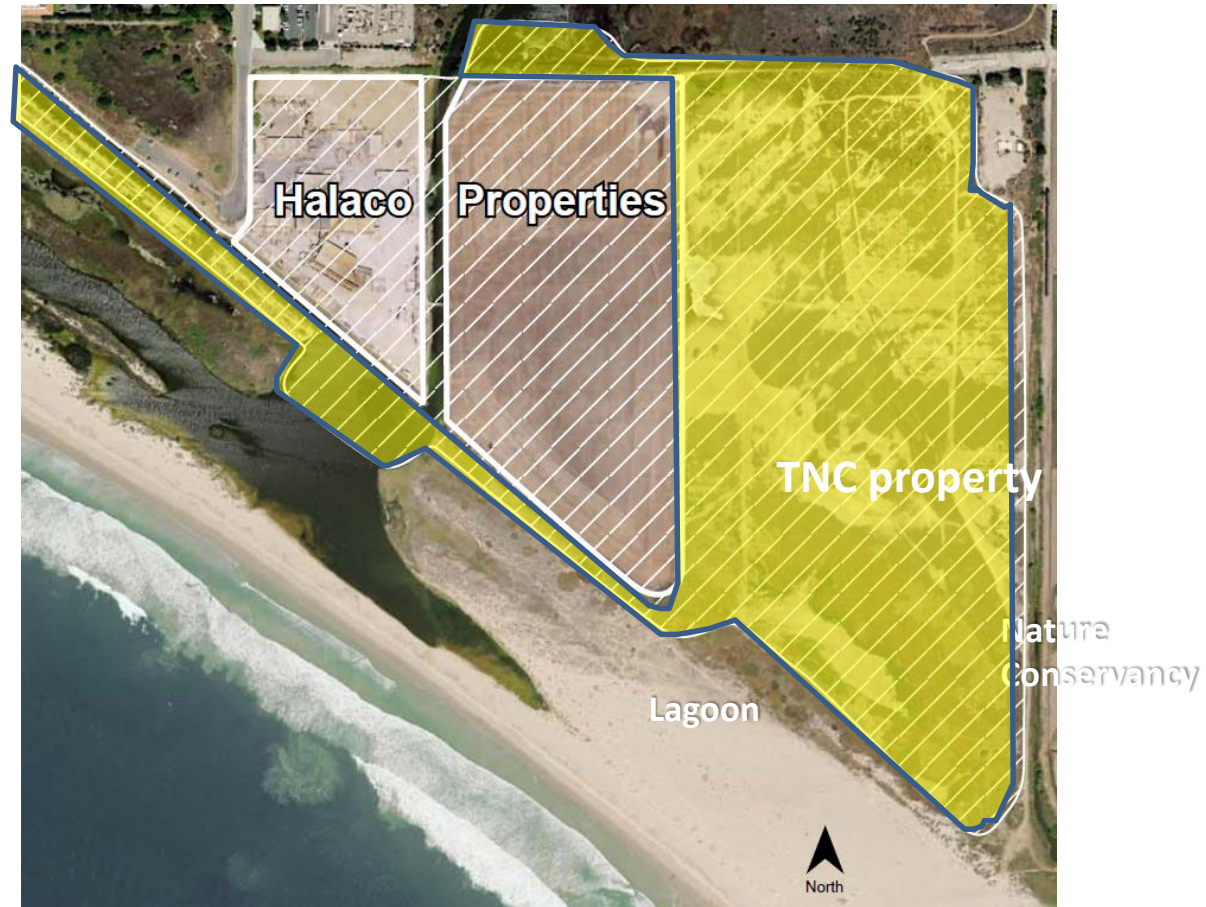
The “Nine Criteria”:

- Protection of human health and the environment
- Compliance with “ARARs” (i.e., standards)
- Long-term effectiveness and permanence
- Short-term effectiveness
- Reduction of toxicity, mobility, and volume
- Implementability
- Cost
- Community acceptance
- State acceptance

Halaco Properties – Current Configuration



TNC, Ormond Beach Lagoon



TNC, Ormond Beach Lagoon



- Expect ecological risk to drive cleanup of TNC, lagoon
- Nearing completion of ecorisk assessment
- Next steps will be meeting with landowners and feasibility study



Balancing Risks, Habitat Damage, Cost





Halaco Cleanup - Next Steps

- New Reports
 - Groundwater report (June 2014)
 - Bench Scale Testing report (March 2015)
- Mid-2015: Ecological Risk Assessment report
- Late 2015 or 2016: Halaco Properties feasibility study and cleanup proposal



Questions?

Wayne Praskins, EPA Project Manager

praskins.wayne@epa.gov

(415) 972-3181

Heather Parker, EPA Community

Involvement Coordinator

parker.heather@epa.gov

(415) 972-3112

EPA Halaco site webpage: <http://www.epa.gov/region9/halaco>